

## ABSTRACT

A system capable of transmitting data in accordance with importance degree of data to be transmitted and received is provided. In the case of transmitting an IP packet of an MPEG picture, for example, as data which are transmitted by way of a network, a priority in accordance with an importance degree is set as header information by identifying which one of I picture, P picture, and B picture of an MPEG picture is contained in the packet. To put it in concretely, in the case in which the packet contains the I picture having a high importance degree at the time of reproducing MPEG, a bit is set in TOS by setting the priority, which is set in a TOS field of the IP header, as a high priority and by setting as a low priority for the case in which data in the packet are B pictures only. The possibility of disappearance and delay of the I picture having the high priority is reduced in the network, and it comes to be possible to accurately reproduce in the side of receiving.